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# Risky Bridges von quadralektischen Relationen

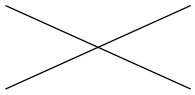
1. Im Anschluß an Toth (2009, 2025a) gehen wir aus von quadralektischen Relationen (vgl. Toth 2025b) und bilden sie auf Bi-Zeichen, d.h. reduzierte Diamonds, ab (vgl. Kaehr 2009). Dabei bedeuten

——— Chiasmus

---------- konverser Chiasmus

2. Abbildungen funktorieller quadralektischer Relationen

(1, 2, 3) (3, 2, 1)



(3, 2, 1) (1, 2, 3)

2.1 (b, d, f) (e, c, a)

(f, d, b) (a, c, e)

```
      d ← d                    c ← c
      |   |                    |   |
  f ← d   d ← f            a ← c   c ← a
  |   |   |   |            |   |   |   |
b → f ∘ d → d ∘ f → b    e → a ∘ c → c ∘ a → e
```

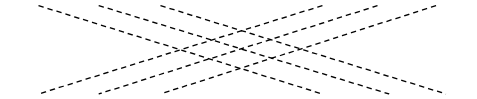
2.2. (b, d, f) (f, d, b)

(e, c, a) (a, c, e)

```
      d ← c                    d ← c
      |   |                    |   |
  e ← d   c ← f            a ← d   c ← b
  |   |   |   |            |   |   |   |
b → e ∘ d → c ∘ f → a    f → a ∘ d → c ∘ b → e
```

3. Abbildungen bifunktorieller quadralektischer Relationen

(a.b, c.d, e.f) (f.e, d.c, b.a)



(e.f, c.d, a.b) (b.a, d.c, f.e)

3.1. (a.b, c.d, e.f)

(e.f, c.d, a.b)

$$\begin{array}{ccccccccccc} & & & & \boxed{(c.d)} & \leftarrow & (c.d) & & & & \\ & & & & \downarrow & & \downarrow & & & & \\ & & (e.f) & \leftarrow & (c.d) & & (c.d) & \leftarrow & (e.f) & & \\ & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \\ (a.b) & \rightarrow & (e.f) & \circ & (c.d) & \rightarrow & (c.d) & \circ & (e.f) & \rightarrow & (a.b) \end{array}$$

3.2. (f.e, d.c, b.a)

(b.a, d.c, f.e)

$$\begin{array}{ccccccccccc} & & & & \boxed{(d.c)} & \leftarrow & (d.c) & & & & \\ & & & & \downarrow & & \downarrow & & & & \\ & & (b.a) & \leftarrow & (d.c) & & (d.c) & \leftarrow & (b.a) & & \\ & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \\ (f.e) & \rightarrow & (b.a) & \circ & (d.c) & \rightarrow & (d.c) & \circ & (b.a) & \rightarrow & (f.e) \end{array}$$

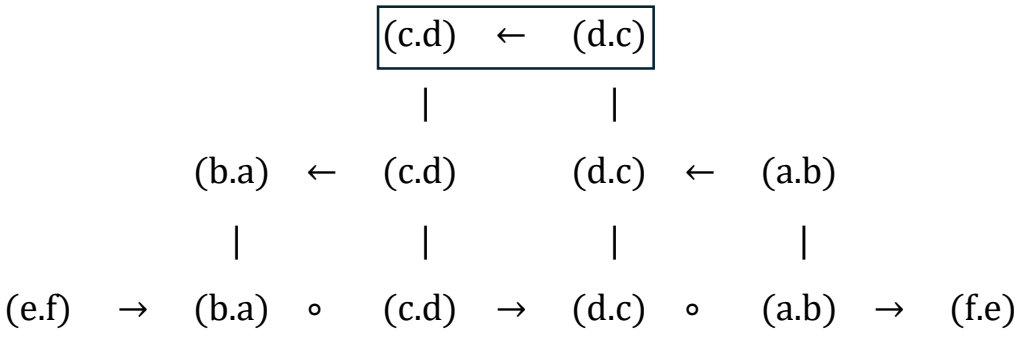
3.3. (a.b, c.d, e.f)

(f.e, d.c, b.a)

$$\begin{array}{ccccccccccc} & & & & \boxed{(c.d)} & \leftarrow & (d.c) & & & & \\ & & & & \downarrow & & \downarrow & & & & \\ & & (f.e) & \leftarrow & (c.d) & & (d.c) & \leftarrow & (e.f) & & \\ & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \\ (a.b) & \rightarrow & (f.e) & \circ & (c.d) & \rightarrow & (d.c) & \circ & (e.f) & \rightarrow & (b.a) \end{array}$$

3.4. (e.f, c.d, a.b)

(b.a, d.c, f.e)




Resultat:

Funktorielle Risky Bridges

d ← d

d ← c

c ← c

Bifunktorielle Risky Bridges

(c.d) ← (c.d)

(c.d) ← (d.c)

(d.c) ← (d.c)

Literatur

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13.5.2025